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First Named Inventor	Myers et al.
Group Art Unit	2872
Examiner Name	
Attorney Docket Number	2807.2.22.12

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
cl		4262362		Fiber Optics Duplex Module	04-14-1981	
cl		4301543		Fiber Optic Transceiver and Full Duplex Point-to-Point Data Link	11-17-1981	
cl		4625333		Duplex Optical Communication Device	11-25-1986	
cl		4726011		Coherent Optical Fiber Communication With Frequency-Division-Multiplexing	02-16-1988	
cl		4729620		Fiber Optic Frequency Shifter	03-08-1988	
cl		4742576		Optical Communication system Employing Coherent Detection and Method	03-08-1988	
cl		4773063		Optical Wavelength Division Multiplexing/DeMultiplexing System	09-20-1988	
cl		4807227		Optical Wavelength-Division Switching System with Coherent Optical Detection System	02-21-1989	
cl		4832437		Fiber Optic Inter-Mode Coupling Single Side Band Frequency Shifter	05-23-1989	
cl		4833681		Semiconductor Laser Wavelength Stabilizer	05-23-1989	
cl		4860279		Source Modulated Coherence Multiplexed Optical Signal Transmission System	08-22-1989	
cl		4870641		Multichannel Bandwidth Allocation	09-26-1989	
cl		4893352		Optical Transmitter of Modulated Signals	01-09-1990	
cl		4896327		Method for Frequency Stabilization of a Semiconductor Laser Comprising a Coupled External Ring Resonator.	01-23-1990	
cl		4904038		Guided Wave Optical Frequency	02-27-1990	
cl		4959826		Spread Spectrum Optical Communication System with Heterodyne Detection	09-25-1990	
cl		4989200		Coherent Subcarrier Multiplexed Optical Communication System	01-20-1991	
cl		4989212		Laser Diode Phase Modulation Technique	01-29-1991	
cl		5022732		Fiber Optic Intermode Coupling Single Sideband Frequency Shifter	06-11-1991	
cl		5023949		Apparatus for Generating an FSK-Modulated Optical Signal Having Two Different Polarization Conditions for an Optical Transmission System Having an Optical Two-Filter RSK Super-Heterodyne Receiver	06-11-1991	
cl		5029978		Optical Phase Modulator	07-09-1991	
cl		5050952		Optical Communications System For Diplex or Duplex Transmission	09-24-1991	
cl		5058101		Coherent Detection Loop Distribution System	10-15-1991	
cl		5063568		Wavelength Stabilized Light Source	11-05-1991	
cl		5068864		Laser Frequency Stabilization	11-26-1991	
cl		5081712		Method and Apparatus for Obtaining Phase In Sensitive AND/OR Polarization-Insensitive Optical Heterodyne Receiver for a FSK-Modulated Transmission Signal	01-14-1992	
cl		5095480		Message Routing System for Shared Communication Media Networks	03-10-1992	
cl		5101291		Optical Frequency Conversion Device	03-31-1992	
cl		5101450		Quadrature Optical Phase Modulators for Lightwave Systems	03-31-1992	
cl		5134509		Coherent Subcarrier Multiplexed Optical Communication System	07-28-1992	
cl		5134624		Method and Apparatus for Stabilizing Oscillation Frequency Separation among a Plurality of Laser Devices	07-28-1992	
cl		5148437		Laser Pumped Atomic Frequency Standard with High Frequency Stability	09-15-1992	

5153933	Apparatus for Generating a Comb of Optical Teeth of Different Wavelengths	10-06-1992
5157542	Optical FM Modulation System	10-20-1992
5166822	Light Beam Frequency Comb Generator	11-24-1992
5168534	Cascaded Optic Modulator Arrangement	12-01-1992
5222103	Differential Quadrature Phase Shift Keying Encoder for Subcarrier Systems	06-22-1993
5239400	Technique for Accurate Carrier Frequency Generation in OFDM System	08-24-1993
5265112	Optical Comb Generator	11-23-1993
5272556	Optical Networks	12-21-1993
5301058	Single Sideband Optical Modulator for Lightwave Systems	04-05-1994
5317441	Transceiver for Full Duplex Signaling on a Fiber Optic Cable	05-31-1994
5321718	Frequency Converted Laser Diode and Lens System Therefor	06-14-1994
5340980	Frequency Discriminator with Fiber Optic Delay Line	08-23-1994
5351146	All-Optical Network Architecture	09-27-1994
5367397	Wavelength-Stabilizing Method and its Associated Circuitry for an Optical Communication System	11-22-1994
5396361	Frequency Separation Stabilization Method for Optical Heterodyne or Optical Homodyne Communication	03-07-1995
5398111	Optically-Locked Fiber-Optic Resonant Gyro	03-14-1995
5408349	Optical Frequency Division Multiplexing Transmission System	04-18-1995
5416628	Multilevel Coherent Optical System	05-16-1995
5422883	Call Setup and Channel Allocation For a Multi-Media Network Bus	06-06-1995
5440415	Optical Successive Modulation-Multiplexing for Fiber Optical Network	08-08-1995
5440417	System for Spectrum-Sliced Fiber Amplifier Light for Multi-Channel Wavelength-Division-Multiplexed Application.	08-08-1995
5485274	Fiber Optic Interferometer With Wavelength-Stabilized Light Source	01-30-1996
5495483	Method and Apparatus for Allocation Carrier Channels	02-27-1996
5504609	WDM Optical Communication System With Remodulators	04-02-1996
5515196	Optical Intensity and Phase Modulators in an Optical Transmitter Apparatus	05-07-1996
5521906	Method and Apparatus for Updating Carrier Channel Allocations	05-28-1996
5546414	Mode-Locked Fiber Ring Laser	08-13-1996
5553087	Frequency Stabilized Laser Diode	09-03-1996
5555118	Method for Removing and Inserting Optical Carriers in a WDM Optical Communication System	09-10-1996
5557439	Expandable Wavelength Division Multiplexed Optical Communications System	09-17-1996
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5589684	Multiple Diode Lasers Stabilized with a Fiber Grating	12-31-1996
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5596436	Subcarrier Multiplexing with Dispersion Reduction and Direct Detection	01-21-1997
5642371	Optical Transmission Apparatus	06-24-1997
5644665	Multi-Octave, High Dynamic Range Operation of Low-Biased Modulators by Balanced Detection	07-01-1997
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5691832	Coherence Multiplexed Transmission System	11-25-1997
5691989	Wavelength Stabilized Laser Sources using Feedback from Volume Holograms	11-25-1997
5694232	Full Duplex Optical Modem for Broadband Access Network	12-02-1997
5694233	Switchable Wavelength Router	12-02-1997
5694234	Wavelength Division Multiplexing Passive Optical Network Including Broadcast Overlay	12-02-1997
5699178	Procedure and Device for Distribution and Reception of Wavelength Reference in Optical Multichannel Network	12-16-1997
5712932	Dynamically Reconfigurable WDM Optical Communication Systems with Optical Routing Systems.	01-27-1998
5715076	Remodulating Channel Selectors for WDM Optical Communication Systems	02-03-1998
5717708	Method and Apparatus of Stabilizing a Semiconductor Laser	02-10-1998
5724167	Modular Optical Cross-Connect Architecture with Optical	03-03-1998

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cl	5754714	Wavelength-Division Multiplexing Optical Communication Apparatus and Method Therefor	04-28-1998
cl	5784184	Semiconductor Optical Waveguide Device, Optical Control type Optical Switch, and Wavelength Conversion Device.	05-19-1998
cl	5808765	WDM Optical Communication Systems with Remodulators and Remodulating Channel Selectors	07-21-1998
cl	5812306	Multiplexer-Demultiplexer for Optical Wavelengths	09-15-1998
cl	5822471	Bidirectional WDM Optical Communication Systems with Bidirectional Optical Amplifiers	09-22-1998
cl	5835212	Differential Optical Modulator	10-13-1998
cl	5838851	Variable Chirp Optical Modulator Using Single Modulation Source	11-10-1998
cl	5847855	Optical-Loop Signal Processing Using Reflection Mechanisms	11-17-1998
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cl	5861965	Dense Waveguide Division Multiplexers Implemented Using a First Stage Fourier Filter	12-22-1998
cl	5862165	Optical Communication System Employing Spectrally Sliced Optical Source	01-19-1999
cl	5864413	Variable Wavelength Light Source Using a Laser, Wavelength Control Method, Optical Communication System and Optical Communication Method	01-19-1999
cl	5867291	Passive Optical Network for Dense WDM Downstream Data Transmission and Upstream Data Transmission	01-26-1999
cl	5884145	Programmable Wavelength Router	02-02-1999
cl	5886802	Method and System for Autonomously Allocating a Cellular Communications Channel for Communication Between a Cellular Terminal and a Telephone Base Station	03-16-1999
cl	5892869	Wavelength Control Method and Optical Communication Apparatus for Performing Wavelength Division Multiplex Communication	03-23-1999
cl	5896211	Optical-Loop Signal Processing Using Reflection Mechanisms	04-06-1999
cl	5896476	Optical Communication System	04-20-1999
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cl	5903691	Optical Frequency Stabilizer	04-27-1999
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cl	5917628	Switchable Wavelength Router	06-06-1999
cl	5926297	Optical Time-Division Multiplexer Capable of Supplying Stable Output Signal	06-29-1999
cl	5933554	Optical Modulating Device and Optical Modulating Method	07-20-1999
cl	5938309	Compact Optical-Optical Switches and Wavelength Converters by Means of Multimode Interference Mode Converters	08-03-1999
cl	5943456	Bit-Rate Transparent WDM Optical Communication System with Remodulators	08-17-1999
cl	5946119	Coarse Wavelength Division Multiplexing Optical System	08-24-1999
cl	5949925	Wavelength Division Multiplexed System Employing Optimal Channel Modulation	08-31-1999
cl	5959753	Method Device, and System for Optical Modulation in Wavelength Division Multiplexing	09-07-1999
cl	5963348	Ultra High Bit Rate All Optical Communication System	9-28-1999
cl	5963567	Method for Assignment of Wavelength Channels in an Optical Sub Network	10-05-1999
cl	5999300	Multi-Wavelength Laser Source	10-05-1999
cl	6005697	Hybrid Single Sideband Optical Modulator	12-07-1999
cl	6008931	Multi-Wavelength Cross-Connect Optical Network	12-21-1999
cl	6009332	Optical Frequency Generator	12-28-1999
cl	6021309	Method and System for Autonomously Allocating a Frequency Hopping Traffic Channel in a Private Radio System	12-28-1999
cl	6034976	Channel Frequency Allocation for Multiple-Satellite Communication Network	02-01-2000
cl	6043926	Method and Apparatus for Laser Frequency Stabilization	03-07-2000
cl	6055251	Electro-Optical Broadband Microwave Frequency Shifter	03-28-2000
cl	6061369	Method and Apparatus for Frequency Modulating a Semiconductor Laser and an Optical Communication System using the Same	04-25-2000
cl		Wavelength Selectable Fiber Laser System	05-09-2000

CL	6064681	Wavelength Stabilized Tunable Optical Transmitter with High SMSR	05-16-2000
CL	6067391	Multiply Periodic Refractive Index Modulated Optical Filters	05-23-2000
CL	6069719	Dynamically Reconfigurable Optical Add-Drop Multiplexers for WDM Optical Communication Systems	05-30-2000
CL	6072612	WDM Transmitter for Optical Networks Using a Loop-Back Spectrally Sliced Light Emitting Device	06-06-2000
CL	6078414	Optical Transmitter System	06-20-2000
CL	6081358	Electrooptic Modulator for Frequency Translation Applications	06-27-2000
CL	6084876	Dynamic ATM Connection Management in a Hybrid Fiber-Coax Cable Network	07-04-2000
CL	6091744	Wavelength Selectable Source for Wavelength Division Multiplexed Applications	07-18-2000
CL	6091864	Linear Optical Modulator For Providing Chirp-Free Optical Signals	07-18-2000
CL	6091865	Irreversible Optical Device Utilizing Optical Frequency Shift	07-18-2000
CL	6094446	Wavelength Stabilizing Apparatus or Laser Light Source	07-25-2000
CL	6097518	N X M Optical Wavelength Routing Switch	08-01-2000
CL	6097525	Method for Generating Duobinary Signal and Optical Transmitter using the same Method	08-01-2000
CL	6101012	Optical Add/Drop Multiplexer/Demultiplexer	08-08-2000
CL	6115122	Fabry-Perot Fiber Bragg Grating Multi-Wavelength Reference	09-05-2000
CL	6115162	Double Side Band, Carrier Suppressed Modulated Coherent Fiber Optic Link	09-05-2000
CL	6118564	Optical Time Division Demultiplexing Apparatus and Demultiplexed Signal Switching Method as well as Optical Time Division Multiplex Transmission System.	09-12-2000
CL	6118565	Coherent Optical Communication System	09-12-2000
CL	6118566	Optical Upconverter Apparatuses, Methods, and Systems	09-12-2000
CL	6125128	Laser Output Locking and Self Filtering Device	09-26-2000
CL	6131023	Cable Modem Tuner With an Upstream and a Reception Circuit in the Same Casing	10-10-2000
CL	6134250	Wavelength-Selectable fiber Ring Laser	10-17-2000
CL	6134253	Method and Apparatus for Monitoring and Control of Laser Emission Wavelength	10-17-2000
CL	6137927	N-Port Reconfigurable DWDM Multiplexer and DeMultiplexer	10-24-2000
CL	6163553	Laser for Generating an Optical Comb	12-19-2000
CL	6169626	Optical Signal Interleaver	01-02-2001
CL	6169728	Apparatus and Method for Spectrum management in a Multipoint Communication System	01-02-2001
CL	6172790	Electrooptic Modulator for Frequency Translation Applications	01-09-2001
CL	6178036	Opto-electronic Devices and Systems Based on Brillouin Selective Sideband Amplification	01-23-2001
CL	6201638	Comb Generating Optical Cavity That Includes an Optical Amplifier and an Optical Modulator	03-13-2001

Examiner Signature	<i>Christina Y. Leung</i>	Date Considered	5-25-04
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